

DERWENT-ACC-NO: 2002-124141
DERWENT-WEEK: 200217
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TITLE: Synthetic-grass cover structure for, i.e. sport facilities, includes particulate infill consisting of homogeneous mass of granular material as polyolefin or vinyl-polymer based materials

INVENTOR: STROPPIANA, F

PATENT-ASSIGNEE: MONDO SPA[MONDN], STROPPIANA F[STROI]

PRIORITY-DATA: 2000IT-TO00476 (May 25, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
EP 1158099 A2	November 28, 2001	E
005	E01C 013/08	
CA 2335716 A1	November 25, 2001	E
000	E01C 013/08	
US 20010046589	November 29, 2001	N/A
000	B32B 003/02	
A1		

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE
IT LI LT LU LV MC MK N
L PT RO SE SI TR

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
EP 1158099A2	N/A	2001EP-0830092
February 13, 2001		
CA 2335716A1	N/A	2001CA-2335716
February 13, 2001		
US20010046589A	N/A	2001US-0785778
February 16, 2001		
1		

INT-CL_(IPC): B32B003/02; E01C013/08

S particle or particulate or
granule or filler? or
filled (in) in
infill
grass?

ABSTRACTED-PUB-NO: EP 1158099A

BASIC-ABSTRACT: NOVELTY - A synthetic-grass cover structure includes a particulate infill consisting of homogeneous mass of granular material that can be polyolefin-based materials or vinyl-polymer-based materials.

DETAILED DESCRIPTION - A synthetic-grass cover structure comprises:

(1) a sheet substrate (1) with filiform formations (2) that extend from the substrate to simulate natural grass cover; and

(2) a particulate filling material or infill (3) dispersed between the formations in such a way as to maintain the formation in an upright condition.

The particulate infill consists of homogeneous mass of granular material that can be polyolefin-based materials or vinyl-polymer-based materials.

USE - Used as alternative to natural grass for, i.e. sports facilities.

ADVANTAGE - The particulate infill of the invention is uniformly dispersed on top of the substrate, without giving rise to superimposed layers having different characteristics. The synthetic grass presents characteristics of tread and response to mechanical stress which is similar to that of a natural grass. Any falls that may occur on the synthetic grass does not give rise to undesired effects, e.g. bruises or scratches. Undesired wear of the filiform formations by the infill is avoided. The synthetic grass has excellent characteristics as regards to disposal of rain water, and the infill can also be reused and recycled.

DESCRIPTION OF DRAWING(S) - The figure shows

Sheet substrate 1

Filiform formations 2

Particulate filling material or infill 3

ABSTRACTED-PUB-NO: US20010046589A

EQUIVALENT-ABSTRACTS: NOVELTY - A synthetic-grass cover structure includes a particulate infill consisting of homogeneous mass of granular material that can be polyolefin-based materials or vinyl-polymer-based materials.

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CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS:

SYNTHETIC GRASS COVER STRUCTURE SPORTS FACILITY PARTICLE

INFILL CONSIST

HOMOGENEOUS MASS GRANULE MATERIAL POLYOLEFIN VINYL POLYMER
BASED MATERIAL

DERWENT-CLASS: A14 A17 A35 A86 P73 Q41

CPI-CODES: A04-G01E, A04-H00H, A12-F01A; A12-S09;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

018 ; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53
D58 D82 ;

H0000 ; S9999 S1503 S1456 ; P1150 ; P1161

Polymer Index [1.2]

018 ; G0033*R G0022 D01 D02 D51 D53 ; S9999 S1503 S1456
; H0000

; H0011*R ; P1150

Polymer Index [1.3]

018 ; R00338 G0544 G0022 D01 D12 D10 D51 D53 D58 D69
D82 C1 7A ;

S9999 S1503 S1456 ; H0000 ; P1796 P1809

Polymer Index [1.4]

018 ; ND01 ; Q9999 Q9096 Q9052 ; K9416 ; K9416 ; B9999
B5209 B5185

B4740 ; N9999 N6906 ; B9999 B4842 B4831 B4740

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2002-038205